



CITY OF SUNNYVALE QUARTERLY REPORT

Thoughts from your City Manager

It's been an incredible year! As I reflect on my first twelve months here in Sunnyvale, I can't help but be amazed by the broad range and magnitude of work underway by the City Council and our staff.

MODERNIZING OUR TECHNOLOGY

We are well underway with several mission critical projects to modernize key systems and platforms that, because of the lack of newer technology, have hampered customer service and our ability to operate efficiently and effectively. We began a multi-department project to replace the City's core financial, budget, and payroll and human resources information systems with an enterprise resource planning solution. Updating this 18-year-old system is a significant undertaking and we reached a major milestone in April when we issued the Request for Proposals for the procurement. We also launched another long overdue technology project to entirely restyle and re-architect the City's outdated website (Sunnyvale.ca.gov). The new content management system platform and design will be stable and secure; adapt to evolving technology; be responsive to mobile devices; highlight, aggregate and allow for tools that support community engagement and social media sharing; and create a much improved user experience with a more intuitive navigation, clean and modern aesthetic, and streamlined content. We have completed an RFP process to select a vendor and anticipate entering a contract in July. Finally, we are also replacing the City's aging telephone and voicemail system with Voice over Internet Protocol (VoIP) service which will enable our customers to use self-service phone trees to more quickly reach the appropriate service. In addition to upgrading technology, we are also using new technology such as launching the City's Nextdoor site and an Open City Hall portal, both of



City Manager Deanna J. Santana

which enhance online community engagement opportunities for the community to more easily get involved with their city government.

TRAINING, STAFFING AND WORKFORCE DEVELOPMENT

Using a \$100,000 grant, we are updating our Emergency Operations Plan in conjunction with neighboring cities and conducting emergency response training with staff, including a full-scale simulation exercise this June to ensure we are ready to respond in the event of a real emergency. This regional collaboration has also extended to a newly implemented radio communication system that replaces legacy equipment and will allow for more seamless operation among police, fire and EMS agencies in the County. Another critical area of focus has been to address existing and projected vacancies in our Department of Public Safety. We have accelerated our recruitment efforts using a new hiring model and are now ahead of our hiring schedule. Finally, we also are leading a strategic merger of our Santa Clara County NOVA Workforce Consortium with San Mateo County's workforce area; this will help ensure we have regionally consistent and higher

impact workforce development services and stable federal government funding for our region.

POLICIES & PROJECTS

Fortunately, we have had some encouraging legal developments with the Town Center. The article on page 4 contains the latest updates and I remain committed to working with all parties to move this stalled private development project to completion. Sunnyvale continues to lead in many policy areas including updating the standards for our Green Building program to promote sustainable development; adopting a Minimum Wage Ordinance increasing our local minimum wage to \$10.30 per hour; implementing an aggressive 30% water conservation target due to the drought (page 3); entering a regional agreement with significant grant funding to expand our recycled water system, the initial phase of which will be a new pipeline along Wolfe Road; and exploring Community Choice Aggregation with neighboring cities that could go a long way toward achieving the City's Climate Action Plan goals for greenhouse gas reduction. Finally, we have held numerous study sessions with the City Council to discuss and advance policies and projects such as VTA's proposed Bus Rapid Transit along El Camino Real; enhancing our funding for our sidewalk repair program; updating the City's Land Use and Transportation Element (a major component of the General Plan); reviewing the City's criteria and standards for accepting park land dedications; initiating significant infrastructure projects at the wastewater treatment plant (pages 6 and 7) and the Civic Center (page 2); and moving ahead with specific plans for Peery Park

and Lawrence Station to ensure we are poised for appropriate development.

RECOMMENDED BUDGET & FISCAL PRUDENCE

As of this writing, the City Council will consider for adoption the recommended Fiscal Year 2015/16 Budget and Twenty Year Resource Allocation Plan on June 23. This budget presents a balanced allocation of resources designed to begin meeting the increasing demands of a growing economy while maintaining a sustainable financial position for the long term. It also maintains sufficient reserves to manage the volatility of the modern economy, and holds Sunnyvale's reputation for being strategic and thoughtful in budgeting. While we will continue to be faced with challenges such as our long-term liabilities and aging infrastructure, we are in a positive and stable fiscal position and are well-situated to meet the future head on. I believe that our challenges translate to opportunities and that the wisdom of our City Council, workforce and community are well-poised to resolve them in the best interest of Sunnyvale.

In conclusion, my focus has been on getting to the know the community, organization and stakeholders as well as implementing mission critical initiatives to strengthen the organization or City Council's policy priorities established at their strategic retreat last September. I believe we are off to a great start and our continued work will achieve the City Council's goals. I look forward to another productive year ahead working with you and our staff, and wish you all a very enjoyable summer. ☀



Civic Center Modernization

Shape the Vision, Success Criteria

After getting community input through focus groups, online forums and a community workshop, the City Council adopted a draft Vision Statement, Success Criteria and Needs Assessment for the Civic Center Modernization Project. Please help us finalize these guidance documents by giving us your feedback at OpenCityHall.inSunnyvale.com.

The first Community Workshop for the Civic Center Modernization Project focused on developing a Vision Statement and Success Criteria, was well attended and included tours of existing Civic Center buildings. For a workshop summary, visit CivicCenter.inSunnyvale.com.



Participants discussed priorities for services and facilities.



From open space to play areas, participants shared their ideas for the best exterior uses.



From collections to technology, participants identified which library services they appreciate and what needs improvement.



With key words and values, participants described their vision for the success of the future Sunnyvale Civic Center.

Photos courtesy of Anderson Brulé Architects

COMMUNITY WORKSHOP #2

Saturday, July 25, 9 a.m. – noon

Sunnyvale Community Center Ballroom, 550 E. Remington Drive

We will be identifying community values and needs for the 26-acre Civic Center site and major facilities including the Library, City Hall and Public Safety Headquarters. Help us define potential uses for the site and how space for the community is included in the plan.

DRAFT VISION STATEMENT

The Vision Statement is intended to help guide the development of project alternatives as the outreach process unfolds. It serves as a statement of the City's intentions as the Civic Center Modernization Project is developed further.

The Sunnyvale Civic Center will:

Serve the Community by:

Providing efficient, functional and flexible facilities to support innovative service delivery and sharing resources to support the community's needs.

Welcome the Community by:

Reflecting the identity of Sunnyvale and creating an environment that inspires community pride, promotes civic engagement and offers a wide range of indoor and outdoor services to accommodate our diverse community.

Lead the Community by:

Supporting participatory governance and being a model of fiscal and environmental sustainability.

DRAFT SUCCESS CRITERIA

Success criteria will be used to evaluate project alternatives once they are developed. Defining them beforehand will help shape and objectively analyze future alternatives.

Improve Quality of Services; Leaders in New Service Innovation

- Preserve or Enhance Current City Service Levels
- Create Flexibility for Future City Needs
- Improve Technology to Expand Service Capabilities and Improve Efficiencies

Fiscally Responsible

- Consider Lifecycle Costs: Balance Ongoing Operational/ Maintenance Costs With Initial Construction Costs
- Balance Short Term Costs with Long Term Value
- Strategic Use of Land and Resources

Accessible to All Members of Our Diverse Community

- Improve Access to and Connectivity Between City Services on the Civic Center Campus
- Create an Attractive, Welcoming, and Well-Used Environment for the Community

Civic and Community Engagement

- Flexible and Adaptable Spaces for Civic and Community Use – Meeting and Gathering Space
- Provide Cultural and Community Resources

Increase Usability of Open Space

- Provide a Walkable, Safe Environment
- Maintain a Balance between Built Structures and Open Space
- Make Sure Spaces Can Accommodate Multiple Uses – Indoor and Outdoor
- Outdoor Space that is Open and Used by the Community
- Combine Active & Passive Space to Meet Range of User Needs

Leaders in Sustainability

- Civic Model of Sustainability
- Reduce Water and Energy Consumption

DRAFT NEEDS ASSESSMENT

The Needs Assessment will help inform the space planning process currently underway. The space plan will define how much building space is needed to continue to deliver high-quality services to the community, as well as help quantify site needs such as parking, open space and community gathering spaces.

Site

- High Percentage of Green Space
- Safe Pedestrian Pathways
- Support a Variety of Community Use and Gathering in Outdoor Space
- Adequate Parking for Peak Usage

Library

- Additional Meeting Space for Small Groups, Programs, & Events
- Bigger and More Robustly Shelled Collections and Areas for Teens, Tweens and Children
- More Effective Space Layout
- More Robust and Appropriate Technology

City Hall

- Innovative 21st Century Services
- More Effective Space Layout and Allocation
- More Meeting Space
- Improved Security
- More Robust and Appropriate Technology in Council Chambers and Meeting Rooms

Public Safety

- More Effective Space Layout
- Dedicated Space for Emergency Operations Center
- Additional Space for Evidence Storage and Processing
- Upgrade Crime Lab Facilities
- Additional Secure Parking



Water Conservation

New Water Restrictions, Incentives

On May 12, the Sunnyvale City Council approved a **30% citywide water reduction target** through June 30, 2016 in response to the ongoing drought. This new target is an increase from the 15% reduction called for in June 2014. The Council also approved new water use restrictions in addition to those adopted in June and August 2014; funded water conservation incentive programs; and authorized citations for water waste violations. Visit *WaterConservation.inSunnyvale.com* or *Save20gallons.org* for water-saving tips and rebates.

How is the 30% target measured?

The City is required to report monthly citywide water use to the State and compare it to the same month in 2013 to determine Sunnyvale’s total water use reduction. All residents and businesses are being asked to conserve. Everyone’s conservation efforts will help achieve the 30% target.

How will I know how much water I am conserving compared to 2013?

Your utility bill will have information showing your progress towards the reduction goal, and will provide you with your target for the following billing period.

I’ve already been conserving. I’ll try to do more but will I be cited if I don’t achieve a 30% reduction?

Our community has already reduced water use by 14% in the past year. Reducing water use by 30% is an ambitious goal especially for those who have already taken steps to conserve. While you will not be cited if you do not meet the 30% goal, the City will issue citations for violating the water use restrictions listed below.

What should I do if I see water use violations?

Report violations to the Santa Clara Valley Water District’s Water Waste Hotline by calling **(408) 630-2000** or via email at ***drought@valleywater.org***. A conservation coordinator from the District or City of Sunnyvale will investigate and explain the restrictions. Coordinators will issue a warning notice for the first and second violations, a \$250 citation for the third violation and a \$500 citation for each subsequent violation. ☺



Periodically check your irrigation system for leaks or broken sprinklers and to ensure water is not irrigating the hardscape like driveways and sidewalks.

PROHIBITED WATER USES IN SUNNYVALE

The following water uses are prohibited by City ordinance; avoid citations by complying with these restrictions:

Irrigation

- Irrigating outdoors in a manner that causes run-off or for more than 15 minutes per station
- Irrigating outdoors between the hours of 9 a.m. and 6 p.m.
- Allowing leaking plumbing or irrigation systems to go unrepaired
- **NEW!** Irrigating outdoors more than two days per week. Drip irrigation is exempt from this schedule.
 - **Odd-numbered addresses water on Monday and Thursday**
 - **Even-numbered addresses water on Tuesday and Friday**
- **NEW!** Irrigating outdoors within 48 hours of rainfall

Water Application

- Using potable water to clean off driveways, sidewalks, patios and other hard surfaces
- Using potable water in fountains and decorative water features (unless part of a recirculating system)
- Using a water hose without an automatic shut-off valve to wash cars, buses, boats or trailers

Services

- Restaurants should only serve water upon customer request
- **NEW!** Hotels are now required to offer patrons the option of not laundering linens and towels on a daily basis

Dry Pond is Visible Reminder to Conserve Water

As part of its ongoing commitment to save water and remind the community to do the same, the City will drain the Community Center pond. The 2.5-acre pond and fountain is the centerpiece of the landscaped grounds and is the last of four City ponds to be drained because of the ongoing drought. Even though it recirculates water, the City must regularly refill the wide and shallow pond with thousands of gallons of water as a result of evaporation. The water will be drained to the sanitary sewer system and treated at the Water Pollution Control Plant. City staff will relocate fish, turtles and other aquatic life to appropriate habitats. The pond will remain empty until the drought is over and water restrictions are lifted. During this time, staff also will clean and make any necessary repairs to the pond. The City will continue to operate children’s water play areas at Sunnyvale parks during the summer months. We appreciate the community’s patience and understanding. While no one likes to see the pond drained, it is a highly visible reminder of the seriousness of the drought and the importance of community-wide actions to conserve water. ☺





Gun Safety

Ordinance Passing Tests in Court

In November 2013, in the wake of the horrific Sandy Hook Elementary School mass shooting, Sunnyvale voters took action and passed a local gun safety measure by an overwhelming majority. Measure C enacted regulations that prohibit possession of large-capacity magazines (those capable of holding more than 10 rounds) and require recordkeeping for ammunition sales, reporting the loss or theft of firearms and safely storing firearms within residences. The voters supported Measure C despite threats by gun advocates that expensive litigation would follow if the measure passed. These threats were made good and, in December 2013, two lawsuits were filed against the City. Fortunately for the City, well-regarded San Francisco law firm Farella Braun + Martel has been defending these lawsuits on Sunnyvale’s behalf on a pro bono basis. In both cases, Sunnyvale is prevailing.

The first case, *Leonard Fyock, et al. v. City of Sunnyvale, et al.*, filed in federal court, alleges that the ban on the possession of large capacity magazines violates the Second Amendment. The plaintiffs filed a motion for a preliminary injunction seeking to have enforcement of this provision stayed pending the outcome of their case.

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With Sunnyvale’s case, three circuit courts throughout the country have now upheld bans on possession of large capacity magazines.
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The District Court denied their request, finding they were not likely to succeed in their challenge. The plaintiffs then appealed the ruling, and filed emergency motions, first with the Ninth Circuit and later the U.S. Supreme Court, seeking to stop the ordinance from taking effect while the appeal was pending. The emergency motions were denied, and the appeal was heard in November 2014. On March 4, 2015, the Ninth Circuit Court issued an opinion affirming the District’s Court’s denial of the preliminary injunction, again finding that the challenge to the large capacity magazine ban was unlikely to succeed. The plaintiffs did not

seek review from the United States Supreme Court and the case is now back in District Court. It is unclear at this point whether the plaintiffs intend to pursue the case in light of the preliminary rulings.

The second case, *U.S. Firearms Company LLC v. City of Sunnyvale, et al.*, filed in state court, challenges the validity of Measure C’s ammunition sales recordkeeping provision, alleging that the requirement that firearms dealers log and record ammunition purchases for use by law enforcement is preempted by state law, constitutes an unlawful search and seizure under the Fourth Amendment, and violates the privacy rights of ammunition

purchasers. On December 18, 2013, the trial court denied the plaintiff’s request for a temporary restraining order to stop the new law from taking effect, and likewise denied the plaintiff’s motion for a preliminary injunction. The case is presently stayed pending the outcome of a different case that is before the California Supreme Court that will address preemption issues similar to those in Sunnyvale’s case and which may have bearing on how it is eventually decided.

Although the litigation is not concluded, Sunnyvale is prevailing to date with Farella’s able assistance, and all provisions of Measure C are in effect. ☺

SUNNYVALE TOWN CENTER UPDATE

What was planned for the Sunnyvale Town Center?

“Town Center” is the name of the private development project located in the center of downtown Sunnyvale; it was begun in 2007 to replace an outdated indoor mall built in the 1970s. The project was designed to restore the downtown feel of the area that was lost when the mall was built, and create a central destination for residents and visitors to shop, dine and hang out. In addition to a movie theater and hotel, the project includes a grid pattern of streets connecting approximately 300 residential units with retail and commercial buildings, adjacent to the existing Macy’s and Target stores. The project will also provide parking structures, walkways and a civic plaza.

Why isn’t the project completed?

The most recent developer began construction on the Town Center project in 2007 and was proceeding well until the 2008 economic collapse. The developer, Downtown Sunnyvale Mixed Use LLC (DSMU), was unable to meet its loan obligations to what was then Wachovia Bank (later purchased by Wells Fargo), and the bank filed for foreclosure in October 2009. The default and subsequent foreclosure set off a cascade of lawsuits between the parties which stalled work on the project.

When will the litigation be resolved?

Progress has recently been made on the third and final legal case. After hearing the case in April 2014, the 6th District Appellate Court issued an opinion on May 19, 2015, finding in favor of Wells Fargo (the current owner) on all counts. This outcome is significant because it should clear up the “cloud” on the property title caused by the litigation, which prevented the bank from being able to market and sell the property to a new developer to finish the project. Once questions about the title are addressed, the bank should be able to move forward in a relatively short period of time. The court of appeal’s opinion will be final on June 18, 2015, and the parties will then have 10 days to ask the California Supreme Court to review the case, should they so desire.

Why can’t the City do something about it?

Although the Town Center project was part of the City’s redevelopment efforts, the property under construction is private property; the City does not control it. The City is not party to the litigation and has no voice in the proceedings, despite the huge impact it has on us. City Manager Santana and staff are keenly aware of the impact resulting from the impasse and continually look for ways to move the project forward.

Where do things stand now?

Earlier this year, Sand Hill Property Company (part of the Town Center’s DSMU development team) purchased the Macy’s parcel in the Town Center under an agreement that leases the store back to Macy’s to operate for the next five years. As a result, Sand Hill is now one of four property owners in the Town Center, joining Wells Fargo, Target and the Successor Agency to the former Redevelopment Agency. Because so much time has elapsed since the project’s entitlements were granted, the City has initiated a market analysis for the Town Center to review whether current market conditions still support the original proposal and plans. This will help ensure the project is ready to move forward as quickly as possible once development resumes. ☺



Wells Fargo completed the façade on the housing units on West McKinley Avenue.



Vector Control

Keeping Sunnyvale Pest Free

Invasive pests can be destructive to agriculture and public health. Over the past 15 years, Santa Clara County has experienced several infestations of agricultural invasive species requiring expensive treatments to prevent them from spreading, such as the Oriental fruit fly infestations found most recently in 2013 in neighboring Cupertino. These pests often are transported into the County as hitchhikers on care packages of fruits, vegetables or plants, and by unsuspecting travelers who bring in uncertified agricultural products from other areas. Disease-carrying mosquitoes also have been found in Sunnyvale and other areas in the County including those that carry West Nile Virus. Last year, 925 dead birds tested positive for the virus and 11 human cases were reported. Warmer weather and the drought contributed to this most intense season.

FIGHT AGAINST INVASIVE PESTS

- Don't dump aquatic plants, aquarium water, or pet fish, snakes, etc., into local waters.
- Buy plants from a reputable licensed nursery. Do not graft other citrus varieties onto your trees unless you have certified budwood.
- Don't move fruit or plants outside of quarantine areas.
- Don't bring uncertified fruits, vegetables, foreign plants or animal material into California. Declare all agricultural items to customs when returning from international travel.
- Don't move firewood which may transport insects and tree diseases. Buy it where you burn it!
- Report suspected invasive insect species to your local UC Cooperative Extension office at (408) 282-3110 or the Santa Clara County Agricultural Commissioner at (408) 918-4600.



Three infestations of the Asian Citrus Psyllid (ACP) – a tiny mottled brown insect about the size of an aphid – now have been found in San Jose. ACP carries huanglongbing (HLB), a fatal citrus greening disease that can wipe out large sectors of citrus trees, including those grown in home gardens. This bacterial disease is transmitted to healthy trees by the psyllid after it feeds on infected plant tissue or when residents graft citrus branches from different trees. A tree can have the disease with no symptoms for three years. There is no cure; infected trees will die.

FIGHT THE BITE

Prevent the spread of mosquito-borne diseases:

- Dump or drain standing water that is more than a few days old.
- Use tight-fitting screens on doors and windows; repair or replace screens with tears and holes.
- When outdoors, wear long pants and long-sleeved shirts.
- Apply insect repellent containing DEET, oil of lemon eucalyptus, IR3535, or Picaridin, according to label instructions.
- Contact the Santa Clara County Vector Control District at (408) 918-4770, vectorinfo@deh.sccgov.org, or www.sccvector.org to:
 - Request delivery of mosquito-eating fish for pools, ponds, horse troughs and other water containers
 - Report dead birds, day-biting mosquitoes or mosquito breeding sources

To find out when the County will conduct fogging for mosquitoes:

- Sign up for the County's AlertSCC notification system
- Follow Vector Control on Twitter @SCCVCD
- Email sccwnv-subscribe@yahoogroups.com to join the Vector Control District's Fogging Updates group
- Visit the Vector Control Web page at www.sccvector.org



Photo Credit: James Gathany, CDC Public Health Image Library

Two aggressive mosquitoes have been discovered in several areas of the state: the Yellow Fever Mosquito (*Aedes aegypti*) and the Asian Tiger Mosquito (*Aedes albopictus*). Both are black with white stripes, bite during the daytime and are known carriers of viruses that cause Yellow Fever, Dengue Fever and Chikungunya. The Yellow Fever Mosquito was detected most recently in an industrial park in nearby Hayward.

Sunnyvale Competes for \$5 Million Prize

If Sunnyvale can achieve the largest reduction in residential energy use by December 31, 2016, we could win a \$5 million prize as part of the national Georgetown University Energy Prize competition. We are one of 50 cities competing as semi-finalists in the competition designed to encourage communities to find innovative and scalable ways to conserve energy. Learn more at Energize.inSunnyvale.com.

Sunnyvale is already off to an encouraging start. Preliminary PG&E data for the first quarter of 2015 shows that our residential electricity and gas use is below average baseline use in 2013 and 2014. To check out how Sunnyvale compares, go to www.guep.org to view Georgetown University's soon-to-be-launched competition dashboard. To keep us in the running, rethink energy use in your home with five simple things you can do today:

1. **Turn on lights only when needed; turn off lights when you leave a room.**
2. **Change commonly used lighting** in your home to energy-efficient low-wattage compact fluorescent or LED lighting and fixtures.
3. **Use a smart power strip** for electronic devices and appliances to eliminate "phantom" loads which can add up to 10% of your monthly utility bill.
4. **Fix defective plumbing or dripping faucets, or install water efficient fixtures.** A single dripping hot water faucet can waste hundreds of gallons of water and the energy to heat it.
5. **Tune your thermostat setting, or install a programmable thermostat** to ensure your home is only cooled or heated when needed. Set the furnace thermostat at 68 degrees or lower, and the air-conditioner thermostat at 78 degrees or higher, health permitting. Each degree above or below these settings requires 3 to 5 percent more energy.





Treatment You Deserve

Sunnyvale Clean Water Program

The Sunnyvale Water Pollution Control Plant (Plant) has performed admirably 24 hours a day, seven days a week for nearly 60 years protecting our health by treating our wastewater to strict standards. Now the Plant is nearing the end of its useful life and needs to be replaced. The Sunnyvale Clean Water Program is a long-term capital improvement plan developed by the City to renovate our aging wastewater treatment infrastructure through a series of projects and upgrades over the next 20 years, making it the largest capital improvement project in the City’s history. The upgrades will ensure operational reliability for generations to come, and, by taking advantage of the latest treatment technology, will meet new and future regulatory requirements. Additionally, the new facility will provide opportunities for more recycling and reuse of water as well as on-site energy generation.

SUNNYVALE’S CLEAN WATER PROGRAM

This program will provide an updated wastewater treatment system that serves the community for decades to come with the following objectives:

- Minimize capital and operational costs for rate payers by selecting the best and most cost-efficient technologies that meet our needs
- Meet current and future regulatory standards for air and water quality, and treatment bi-products like biosolids
- Provide a more reliable power supply through renewable energy produced by the Plant
- Enhance safety measures and maximize the use of existing space at the facility
- Employ innovative technologies that improve operational efficiency
- Ensure projects are designed and built with flexibility in mind to adapt to future financial and regulatory changes
- Extend the useful life of existing facilities where practical to get maximum benefit possible
- Protect against flooding and risks associated with sea level rise

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One of the challenges in planning for long-range upgrades is that the Plant can never shut down, so projects must be carefully planned and sequenced to minimize disruptions to existing operations.

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Even as long-term planning continues, current projects are underway at the Plant to keep it operating well. The first major project includes upgrades to the Primary Treatment Facilities, which are currently being designed in anticipation of construction starting later this year. One of the challenges in planning for long-range upgrades is that the Plant can never shut down, so projects must be carefully planned and sequenced to minimize disruptions to existing operations.

WHAT’S NEXT: ENVIRONMENTAL REVIEW



An important step in advancing the Sunnyvale Clean Water Program is the Program Environmental Impact Report (PEIR) which is regulated by the California Environmental Quality Act. The PEIR will include an assessment of potential environmental impacts, mitigation measures to reduce identified impacts to less than significant levels to the extent possible, and alternatives to the proposed project that could also reduce identified impacts. The public review and comment period for the PEIR is anticipated for late 2015. Visit www.SunnyvaleCleanWater.com for more information about the Program, its progress and the environmental review process.



The Plant and oxidation ponds occupy nearly 450 acres off of Borregas Avenue in Sunnyvale. This complex industrial facility handles wastewater treatment for about 148,000 residents and thousands of businesses. Since 1956, the Plant has protected the health of its customers and the southern San Francisco Bay. All major components of the wastewater treatment system will be upgraded over the course of the 20-plus year Clean Water Program.

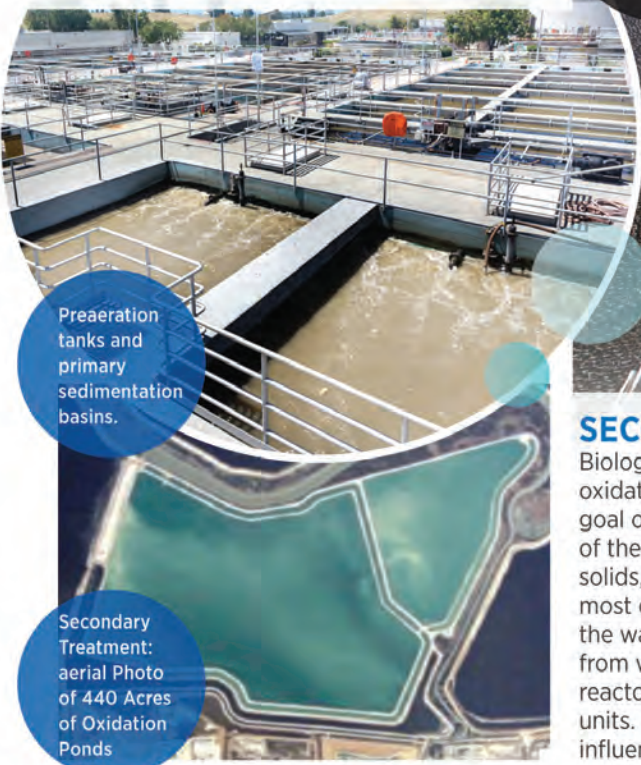


WASTEWATER TREATMENT: IT'S FASCINATING AND COMPLICATED

Most of us rarely think about wastewater treatment and probably take it for granted. A closer look reveals that it actually involves a fascinating and complex series of physical, chemical and natural biological process steps and “stations” to get the job done. The Plant uses three major treatment levels – primary, secondary and tertiary – to clean the water. By the time the process is complete, the water is clean enough to meet all standards for either recycling uses or discharge into San Francisco Bay. The Plant currently produces and delivers an average of 150 million gallons of recycled water per year. Throughout the treatment process, Plant managers and operators focus on these imperatives: safety, compliance, efficiency and cost effectiveness.

PRIMARY TREATMENT:

Main objective: remove solids, influent screening/grinding, raw sewage pumping and metering, grit removal and primary sedimentation. Following primary treatment, 60% of influent solids will have been removed.



Preaeration tanks and primary sedimentation basins.

Secondary Treatment: aerial Photo of 440 Acres of Oxidation Ponds

Rotating arm of fixed growth reactors distributing pond effluent over plastic growth media.



SECONDARY TREATMENT:

Biological treatment using 440 acres of oxidation ponds and fixed-growth reactors. The goal of secondary treatment is to remove most of the remaining dissolved and suspended solids, and to convert ammonia to nitrate. After most of the heavy solids have been removed, the water flows by gravity into the ponds, from where it is pumped to the fixed-growth reactors, followed by the dissolved-air flotation units. Following secondary treatment, 92% of influent solids will have been removed.

TERTIARY TREATMENT:

Effluent from the dissolved-air flotation units is pumped to the tertiary treatment facilities, which includes effluent filtering, disinfection, and dechlorination prior to discharge. Following tertiary treatment, 96% of influent solids will have been removed.



Chlorine contact channels treating effluent prior to discharge to Moffett Channel.

WASTEWATER TEAM KEEPS THINGS FLOWING

Plant operators work 24 hours a day, continually monitoring all processes. Maintenance mechanics ensure equipment operates dependably and efficiently. Environmental compliance inspectors work with businesses and industries to help them meet City discharge requirements, collecting samples to make sure certain pollutants have been removed. Laboratory chemists analyze samples throughout the treatment process. Support Services staff provide administrative and reporting services to meet regulatory requirements. In all, some 60 talented staff keep the Plant humming and ensure the quality of its work.



Staff preparing for maintenance on Digester 3 at the Plant.



Maintenance staff performing a routine system check in the Power Generation Facility at the Plant.

SUNNYVALE CLEAN WATER PROGRAM - HISTORY TIMELINE



sunnyvale reNews

sunnyvale's environmental news source

Summer 2015



upcoming events

July 11, August 8, September 12
Compost Workshops

July 18, October 17
Hazardous Waste Drop-offs

August 22
Document Shredding

September 12
Citywide Garage Sale Day

stay connected

on the Web
Recycling.inSunnyvale.com



on Twitter
[@SunnyvaleRecycl](https://twitter.com/SunnyvaleRecycl)



Green.inSunnyvale.com



on Facebook
City of Sunnyvale
Environmental Services
Department



Give “Uglies” A Chance

Recently named “uglies” by EndFoodWaste.org, perfectly edible, yet imperfectly shaped fruits and vegetables are rejected by the tons. Stringent marketing standards judge fruits and vegetables according to size, color, curvature and weight — they’re basically a beauty contest for edibles. Farmers must either leave their imperfect, unacceptable edibles in fields to rot, which can amount to 40 percent of their crops, or till them under because supermarkets and restaurants reject them and consumers avoid them. This is particularly disturbing in view of the 870 million people on the planet who haven’t enough food to eat — one in six Americans go hungry.*

European countries and Australia are aggressively addressing food waste issues at large grocery stores. For example, the third largest supermarket in France, Intermarché, implemented the global marketing campaign, “Les Fruits & Légumes Moches” or, Inglorious Fruits & Vegetables, to tackle the problem with surprising results. Intermarché began distributing inglorious veggie soups and fruit juices, and selling their ugly produce at a 30 percent discount.

Intermarché experienced 100 percent success in sell-out volumes within two days, and a 24 percent increase in shopper traffic. (View the “Inglorious” [Vimeo](http://vimeo.com/itm.marcelww.com/inglorious) at itm.marcelww.com/inglorious.) On May 22, France’s National Assembly declared it illegal for large supermarkets to throw away edible food, mandating they establish accounts with charitable organizations to donate edibles, or transport food to facilities that can compost or process food for energy or animal feed.

EndFoodWaste.org recently started a campaign pressuring grocery stores to sell ugly fruits and vegetables. The campaign has gained traction with National Public Radio coverage and New York Times, Huffington Post and US News stories. You can help promote ending food waste using their [#DemandUgly Toolkit](https://twitter.com/DemandUgly) that provides

scripted [Twitter](https://twitter.com/DemandUgly) and [Facebook](https://www.facebook.com/DemandUgly) posts and email messages to send to your retail grocer. Visit EndFoodWaste.org, click the [Ugly Fruit & Veg](https://www.facebook.com/DemandUgly) tab and select [United States](https://www.facebook.com/DemandUgly). Ask your local grocers to stock “uglies,” then buy and eat them to help remove the stigma of imperfection and reduce food waste. Instead of calling them “uglies” we should start calling them “beauties” — fruits and veggies don’t deserve to be discriminated against!



Eat “uglies” — they deserve a chance, too!

*Food Too Good To Waste, rirc.org



NEW! Sunnyvale Accepts Carton Containers at the Curb

Due to upgraded sorting equipment recently installed at the SMaRT Station, the Recycling Program can now accept cartons at the curb from all households. What is a carton? A carton is a container — you will find two types of cartons at the grocery store: shelf-stable and refrigerated. Generally, shelf-stable cartons contain soups, milk and wine; refrigerated cartons contain milk, juice, egg substitutes and cream.

Until recently, carton recyclability was undermined by its very design — fused layers of polyethylene and paperboard and, in the case of the shelf-stable (aseptic) cartons, there is an

added thin layer of aluminum which functions as an oxygen and light barrier to guarantee product integrity. New recycling technologies enable carton recyclers to separate these layers and use the valuable paperboard as raw feedstock in making new paper products.

How can you recycle your cartons? It's easy! Once you give them a quick rinse, simply place cartons and plastic caps in your recycling cart with metal, glass and plastic containers. Make your cartons count — recycle them! Learn more about carton recycling from the Carton Council at RecycleCartons.com.



Shelf-stable and refrigerated cartons provide valuable paper feedstock for new paper products.

Residential Recycling Guide

The decision to recycle is made when we get rid of an item. No matter where you live, single-family or multi-family housing, everyone recycles the same stuff — paper and metal, glass and plastic #1-#7 containers including cartons. Help keep recyclables contamination-free using this easy reference to recycle right — at home.

Recycle Paper

PAPER

Small cardboard pieces OK

PAPER

Do Not Place Bagged Recyclables Inside Recycling Carts

Residential Recycling Carts

Single-Family Split-Lid Recycling Cart

Multi-family Recycling Carts

Recycle Metal, Glass, Plastic #1-#7 Containers and Cartons

CONTAINERS

NEW!

CONTAINERS

Citywide Garage Sale Day

September 12, 9 a.m.-4 p.m.

Just in time for fall cleaning, you can have a garage sale to get rid of outgrown clothing, toys, books, furniture and housewares. Register your sale with the City Recycling Program at CitywideGarageSaleDay.com to advertise your garage sale for free. Registration opens July 27. Register at this website by August 24 to have your sale also listed in the Sunnyvale Sun.



Earth- and Neighbor-Friendly Leaf Blowing Tips

Leaf blowers are widely used to save time in cleaning up lawn and garden debris, but they create air and noise pollution in neighborhoods. Whether using a gas or electric blower, these tips can help you use your leaf blower properly.

Be considerate. Follow local noise regulations — only operate blowers from 8 a.m. to 8 p.m.

Use lowest possible speed. Lower speeds mean less noise, dust and fuel use. Blowers do operate effectively at half throttle.

Be aware of your surroundings.

Point your blower away from people, pets, open windows, vehicles, bicyclists and play areas — especially when children are present. If a cloud of dust forms, stop working and allow it to settle. If anyone approaches your work area, stop until they have passed.

Clean up debris when finished. Dispose of trash properly. Don't blow debris into neighbors' yards, the street or onto vehicles.

Limit dust. If working in dusty conditions, reduce blower speed. Do not blow dust beyond the property line. Avoid using a blower on dirt areas.

Use care when refueling. Before refueling, turn off the engine and let the blower cool down. If your blower has a 2-cycle engine, follow recommendations in the owner's manual to properly mix oil and gasoline. Do not spill fuel on the ground.

Share these tips with your landscaping service to ensure they observe earth- and neighbor-friendly practices.



Proper Disposal of Mercury and Medications Ensures a Safe Environment

Wednesday — September 23

11 a.m.–1:30 p.m.

Sunnyvale Senior Center
Sequoia Room

Thermometer Exchange: Exchange your mercury thermometer for a free, solar digital fever thermometer — available to the first 200 residents (limit one (1) per household). To avoid breakage and contamination, mercury fever thermometers **MUST** be placed in an unbreakable, closed container — the original case, a plastic toothbrush holder, or a soda or water bottle with a screw-on cap. The closed container **MUST ALSO** be sealed in a plastic zip-locked bag. Other mercury-containing products will not be accepted.

MedDrop: Residents may drop off unneeded prescriptions and over-the-counter medications. Place pills in a sealed zip-locked bag and remove all personal information from ointments, liquids and creams. Pill containers, sharps (needles and lancets), vitamins, or personal hygiene items **will not** be accepted.

For more information, call Environmental Outreach at (408) 730-7717, or email Green@Sunnyvale.ca.gov. Event is co-sponsored by Sunnyvale's Environmental Services Department, Department of Public Safety and the Senior Center.

Schools Goin' Green — Conquering Litter

The Santa Clara Valley Water District funded a two-year grant to Sunnyvale's Environmental Services Department (ESD) to implement a student-led litter abatement campaign called "Schools Goin' Green" (SGG). In collaboration with ESD staff and newly-formed Green Teams at Fremont High School and Columbia, Cupertino, Peterson and Sunnyvale Middle Schools, the SGG campaign seeks to change students' littering behavior and its impact on water quality.

In January and May, Green Team students, teachers and staff met to share their campaign activities and brainstorm how they might partner with local businesses to promote litter prevention and collection in the community. Guest speakers and hosts such as William Roeder, Lead Instructor in Energy Management and the Building Science Program at De Anza College; Nela Veis, Sustainability Coordinator at Promega; and Jeff Kirchner, founder of *Litterati.org*, shared their passions and stories with those in attendance.

Kirchner started *Litterati.org*, a global reporting mechanism via *Instagram*, after his four-year-old daughter pointed out that the plastic Tidy Cats bucket lying in a stream, "didn't go there." *Litterati.org* enables people to photograph and pinpoint litter anywhere. He realized that, "people just don't see litter anymore — it's become the norm — an

acceptable environmental blight. Simply picking up litter won't solve the problem. We must identify litter types and locations, form partnerships with local businesses whose packaging becomes litter, and build awareness to help change littering behavior."

The Green Teams presented their findings and plans to the City Council. As of May 15, they have collectively picked up 1,620 pounds of litter. Top items found include food and snack wrappers, cigarette butts, straw

wrappers, paper, aluminum and fast food wrappings, and food.

Green Teams will continue their clean-up efforts on and around their campuses, weighing and reporting their findings, and building awareness among their peers during the 2016 school year. Join forces with these dedicated students to help clean up litter because, as Kirchner says, "This planet we call home is a big place to keep clean. We all need to play our part. Join the *Litterati*."



May 15, SGG Green Team students recognized by the City Council for litter clean-up efforts:

Front row (left to right): Danielle Nuti, Kristen Tran, Annabel Marshall, Iris Zhou, Sophia Serato

Middle row (left to right): Mina Miraftab, Jackie Davison (ESD staff), Linda Arms (Sunnyvale Middle School Green Team advisor), Zibba Adll, Arlo Marquez

Top row: Nick Cortez (Cupertino Middle School Green Team advisor), Matthew Cayadyab, Katie Mason, Tammy Mok, Jasmine Yuan, Jessica Lum, Illiana Castanada, Matthew Greene, Emily Moorehead (Columbia Middle School Green Team advisor)



Right-Size/Right-Service (RS2)

The City's Environmental Services Department and Specialty Solid Waste & Recycling, the City's waste hauler, have launched the Right-Size/Right-Service (RS2) program. The RS2 program is an effort to comply with water regulatory agencies' mandate for 100 percent litter reduction by 2020. The RS2 program gives the City the ability to require larger waste collection containers (right-size), or additional days of service (right-service) to address litter problems.

Many litter issues are caused by overfilled garbage bins when lids cannot close, or are simply left open, and littered waste collection areas that

are improperly maintained. Litter can spill or be blown onto roadways and enter storm drains and waterways, flowing untreated into the Bay and ocean. Litter not only blights communities, lowering property values, but impacts water quality and threatens public health and marine life.

Property owners or managers interested in learning more about the RS2 program are welcome to contact the Recycling Program at (408) 730-7262.

If you are aware of litter conditions where you work or live in Sunnyvale, please contact Recycling Program staff so they can work with property owners to help them solve the problem.



Keep bin lids closed and waste areas clean to minimize litter.

California Coastal Clean-Up Day

Saturday, September 19, 8:30 a.m. – noon

Join your neighbors and help clean up our waterways to protect the Bay and ocean. Our local California Coastal Clean-up Day event is happening at Sunnyvale's West Channel and a portion of the Guadalupe Slough. Sign-in begins at 8:30 a.m., and clean-up activities start at 9 a.m. Gloves, pick-up sticks, safety vests and trash bags will be provided. Volunteers are encouraged to bring their own reusable water bottles for the event. Register to participate or get more details at (408) 730-7717, or Green@sunnyvale.ca.gov.

Reminder: HHW Events Change

If you have household hazardous waste (HHW) items to dispose of, remember program changes begin on July 18:

- Drop-off location at 164 Carl Road is now closed;
- Appointments are required; and
- Drop-off events will be held on a quarterly basis.

Additional HHW Drop-off Events are held in San Jose at the new permanent facility

every Friday (8 a.m. to noon) and Saturday (8 a.m. to 1 p.m.), except holidays. For event location details and to make an appointment, use the self-service appointment system at HHW.org, or call the Santa Clara County Household Hazardous Waste Program at (408) 299-7300. Businesses may call (800) 207-8222 for appointments and locations.

Make An Appointment



upcoming events

Document Shredding Events

**August 22, November 7
8 a.m. to noon**

SMaRT Station, 301 Carl Road

Compost Workshops

**July 11, August 8, September 12
10 a.m. to noon**

To register for a workshop, call (408) 918-4640, or visit Ucanr.edu/compost. Registration required.

*Las Palmas Park building
850 Russet Drive, Sunnyvale*

Household Hazardous Waste (HHW) Drop-Off Events

**July 18, October 17
8 a.m. to 1 p.m.**

NEW! HHW Drop-off events now by appointment only and on quarterly schedule at new location. To schedule an appointment visit HHW.org, or call (408) 299-7300.

Citywide Garage Sale Day

September 12

Registration opens July 27 on CitywideGarageSaleDay.com

Thermo-Exchange/MedDrop

September 23

11 a.m. – 1:30 p.m.
Senior Center, Sequoia Room

contact us

City Business Hours

Monday – Friday, 8 a.m. to 5 p.m.
City TDD (408) 730-7501

Utilities Customer Service

(408) 730-7400

Utilities.inSunnyvale.com

- Start, stop or change garbage and water services
- Cart orders, repairs, replacements
- On-Call Collection appointments
- Debris box rentals

Recycling Program

(408) 730-7262

Recycling.inSunnyvale.com

Recycling@sunnyvale.ca.gov

- Recycling answers and event details

Specialty Solid Waste & Recycling

(408) 565-9900, SSWR.com

- Missed pickups
- Collection service issues

SMaRT Station®

**301 Carl Road, Sunnyvale
(408) 752-8530**

Open daily 8 a.m. to 5 p.m.
Closed Thanksgiving Day, December 25, January 1

- Garbage disposal fees
- Compost and mulch availability

Water Pollution Control Plant

**1444 Borregas Ave., (408) 730-7738
WPCP.inSunnyvale.com**

- Plant Tours
- Environmental Outreach



CITY OF SUNNYVALE

QUARTERLY REPORT

Community Award Nominations Due July 30

Recognizing and honoring the people who make our community the special place that it is has been a Sunnyvale tradition for over 30 years. We all know someone who is making a difference in our city through their time, talents and commitment. Each year at the State of the City event, the City Council recognizes these exceptional members of the community who have made significant contributions to Sunnyvale. Nominations are being accepted through July 30 in these categories:

- Distinguished Resident of the Year
- Outstanding High School Senior of the Year
- Outstanding Community Volunteer
- Outstanding Educator of the Year

- Outstanding Businessperson of the Year
- Outstanding Contribution to the Arts
- Outstanding Environmental Achievement

Visit CommunityAwards.inSunnyvale.com for

2015 MAYOR'S STATE OF THE CITY
Saturday, September 12
11 a.m. – 2 p.m.
Washington Park, 840 W Washington Avenue



CITY OF SUNNYVALE QUARTERLY REPORT

July 2015

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Tara Martin-Milius, Vice Mayor
David Whittum
Pat Meyering
Jim Davis
Glenn Hendricks
Gustav Larsson

City Manager

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